

From glowbugs@theporch.com Sun Jan 5 13:42:21 1997  
Return-Path: <glowbugs@theporch.com>  
Received: from uro (localhost.theporch.com [127.0.0.1])  
by uro.theporch.com (8.8.4/AUX-3.1.1)  
with SMTP id NAA05365;  
Sun, 5 Jan 1997 13:37:49 -0600 (CST)  
Date: Sun, 5 Jan 1997 13:37:49 -0600 (CST)  
Message-Id: <199701051937.NAA05365@uro.theporch.com>  
Errors-To: ws4s@infoave.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 405  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

#### GLOWBUGS Digest 405

Topics covered in this issue include:

- 1) Re: 1931 210 TNT Tranmitter  
by Murray Kelly <mkelly@faraday.dialix.com.au>
- 2) Items for Sale - All Gone  
by Bob Marsh <bmarsh@hicom.net>
- 3) Contact cleaner -- Which one?  
by "R. Eric Sluder" <sludere@gte.net>
- 4) Re: 2 tube AM transmitter  
by Jake Hellbach <kk5hy@accesscom.net>
- 5) Re: Contact cleaner -- Which one?  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 6) Re: 1931 210 TNT Tranmitter  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 7) "SMT" tranceivers  
by Bob Roach <KE4Q0K@worldnet.att.net>
- 8) 1997 Colorburst Sprint Announcement  
by "Paul F. Carreiro" <carreiro@barepower.net>
- 9) Re: "The Vari-Coil"  
by Kevin Pease <hamradio@mm1001.theporch.com>
- 10) disappearing Heath gear and others  
by TMOLL@aol.com
- 11) 6SL7 Sensitive to light!  
by W4AOS@aol.com

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Date: Sun, 05 Jan 1997 05:38:22 +1100  
From: Murray Kelly <mkelly@faraday.dialix.com.au>  
To: jherman@sierra.net  
Subject: Re: 1931 210 TNT Transmitter  
Message-ID: <32CEA39E.3434@faraday.dialix.com.au>

Don't break my heart!  
The cat knocked over my 210 and ceramic socket. All I have left is the darn socket!

Jacqueline Herman wrote:

>  
> Hi Gang,  
> I just came across the January '73 issue of CQ Magazine - in it is an  
> article titled "A Strictly Modern 210 TNT Transmitter For 80 Meters".  
> The author has built it on a varnished breadboard - really a thing of  
> beauty! I'd like to photo copy the article and send it to someone  
> who has the ability to scan it into our archives (Bob? Bry?).  
>  
> The builder has used copper tubing for the inductors, connections  
> to xmtr are via Fahnestock clips, and the tank coil sits on porcelain  
> standoff insulators. It's so pretty!  
>  
> Who ever wants to scan this project please send me your postal address.  
>  
> 73 from flooded Nevada,  
> Jeff KH2PZ / 7

cheers

\*\*\*\*\*  
\* Murray Kelly vk4aok mkelly@faraday.dialix.com.au \*  
\* 29 Molonga Ter. / Graceville/ QLD. 4075/ Australia \*  
\* ph/fax Intl+ 61 7 3379 3307 mobile 018 071 355 \*  
\*\*\*\*\*

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Date: Sat, 04 Jan 1997 18:06:21 -0500  
From: Bob Marsh <bmarsh@hicom.net>  
To: Glowbugs List Server <glowbugs@theporch.com>,  
Subject: Items for Sale - All Gone  
Message-ID: <32CEE26D.634@hicom.net>

Wow!

I never expected that fast a response to my post. Everything I had listed is sold or spoken for! What a great group! Thanks to everyone

who responded. I tried to reply privately to everyone who sent me a message, but if I missed someone, my apologies.

Thanks again, and I hope everyone has a great year. (I'll be busy restoring the Heathkit collection).

73 de Bob/KB2SGM

-----  
Date: Sat, 04 Jan 1997 19:51:25 -0800  
From: "R. Eric Sluder" <sludere@gte.net>  
To: boatanchors@theporch.com, glowbugs@theporch.com  
Subject: Contact cleaner -- Which one?  
Message-ID: <32CF253D.731C@gte.net>

I'm sure the subject has been broached before, but I'm confused as to which cleaner to use.

I have a HQ-145A and a DX-20 that needs switch contacts cleaned badly. I've heard that the Caig chemicals are great but which one. As I look through the MCM catalog my head swarms as to which one to get and with prices being the way they are, I don't want to make a mistake. Any help would be GREATLY appreciated.

Let see, DeoxIT 100, or DeoxIT DN5, or ProGold, or ElectricALL, or PreservIT...???

73,

Eric

--  
#####  
R. Eric Sluder, KB9BGS  
Carmel, IN  
E-mail: sludere@gte.net  
#####

-----  
Date: Sat, 4 Jan 97 19:22 CST  
From: Jake Hellbach <kk5hy@accesscom.net>  
To: bry@mail1.mnsinc.com  
Cc: glowbugs@theporch.com  
Subject: Re: 2 tube AM transmitter  
Message-ID: <2.2.16.19970104191632.227f8736@accesscom.net>

O.K. I changed the voltage on the schematic, from the email that I have received so far its overwhelming that the B+ was a little high on the 12AT7.

Anyone know of a source of carbon mikes with an audio transformer, (maybe some military gear from Fair Radio?) Or should the circuit be modified for a crystal mike although I think it would need a second amp stage.

Buying a group quantity of crystals sounds like a good idea to me.

73' Jake, KK5HY

At 11:13 AM 1/4/97 -0600, you wrote:

>On 4 Jan 97 at 7:10, Murray Kelly chatted merrily to Jake KK5HY:

>

>> I see you have 500-1000V on the one half of the 12ax7. Suggest you

>> try dividing this by 10! 50-100 sounds a bit better.

>

>Wow, really, let me take a look....

>

>Yowza, he sure does! Well, I think 250V would be more reasonable to

>get enough OOMPH! to drive the screen on that sweep tube up to some

>reasonable percentage of modulation.

>BTW - We could make a group buy of xtals for this rig, guys. What freq.

>would anyone suggest?

+++++

Email via: kk5hy@accesscom.net

A.M. International #832

Check out the Westside ARC Web page at:

<http://www.accesscom.net/~kk5hy>

Now updated with boatanchor links!!!!

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Date: Sat, 4 Jan 1997 20:00:34 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>

To: "R. Eric Sluder" <sludere@gte.net>, glowbugs@theporch.com

Subject: Re: Contact cleaner -- Which one?

Message-ID: <199701050359.WAA00500@news2.mnsinc.com>

Whichever type you get make SURE it is a "non-residue" cleaner.

On 4 Jan 97 at 19:08, R. Eric Sluder chatted merrily:

> I'm sure the subject has been broached before, but I'm confused as  
> to which cleaner to use.  
>  
> I have a HQ-145A and a DX-20 that needs switch contacts cleaned  
> badly. I've heard that the Caig chemicals are great but which one.  
> As I look through the MCM catalog my head swarms as to which one to  
> get and with prices being the way they are, I don't want to make a  
> mistake. Any help would be GREATLY appreciated.  
>  
> Let see, DeoxIT 100, or DeoxIT DN5, or ProGold, or ElectricALL, or  
> PreservIT...???  
>  
> 73,  
>  
> Eric  
>  
> --  
> #####  
> R. Eric Sluder, KB9BGS  
> Carmel, IN  
> E-mail: sludere@gte.net  
> #####  
>  
>

\*\*\*\*\*  
\*\*\* 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA \*  
\*\* E-mail to: bry@mnsinc.com \*  
\*\*\* See the great ham radio resources at: \*  
\*\* <http://www.mnsinc.com/bry/> \*  
\*\*\*\*\*

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Date: Sat, 4 Jan 1997 20:00:34 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: Jacqueline Herman <jherman@sierra.net>  
Subject: Re: 1931 210 TNT Transmitter  
Message-ID: <199701050359.WAA00503@news2.mnsinc.com>

On 4 Jan 97 at 13:36, Jacqueline Herman chatted merrily:

> Hi Gang,  
> I just came across the January '73 issue of CQ Magazine - in it is  
> an article titled "A Strictly Modern 210 TNT Transmitter For 80  
> Meters". The author has built it on a varnished breadboard - really  
> a thing of beauty! I'd like to photo copy the article and send it to  
> someone who has the ability to scan it into our archives (Bob?  
> Bry?).

Sure - send it to me and I will scan it.  
Just got another one in from K9EUI today - a design for a 100 watt  
out amplifier stage using FOUR 807s!

Send it to:

Brian Carling AF4K  
18016 Fertile Meadow Court  
Gaithersburg, MD 20877

> The builder has used copper tubing for the inductors, connections to  
> xmtr are via Fahnestock clips, and the tank coil sits on porcelain  
> standoff insulators. It's so pretty!

>

> Who ever wants to scan this project please send me your postal  
> address.

>

> 73 from flooded Nevada,

> Jeff KH2PZ / 7

>

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\*\*\* 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA \*  
\*\* E-mail to: bry@mnsinc.com \*  
\*\*\* See the great ham radio resources at: \*  
\*\* <http://www.mnsinc.com/bry/> \*  
\*\*\*\*\*

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Date: Sun, 5 Jan 1997 05:25:30 +0000  
From: Bob Roach <KE4QOK@worldnet.att.net>  
To: glowbugs@theporch.com  
Subject: "SMT" tranceivers  
Message-ID: <19970105052517.AAC6526@LOCALNAME>

Hello All,

Has anyone attempted to construct any of the old standby handbook  
tranceivers using surface mount components to reduce the size even further?

(o o)

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73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348

-----  
Date: Sat, 4 Jan 1997 23:52:44 -0800  
From: "Paul F. Carreiro" <carreiro@barepower.net>  
To: Glowbugs@theporch.com  
Subject: 1997 Colorburst Sprint Announcement  
Message-ID: <199701050752.XAA04395@current.barepower.net>

This came over the QRP reflector.. thought some on this side would be  
interested in participating. Enjoy.  
Paul N6EV <http://www.barepower.net/~carreiro/>  
-----

>Date: 05 Jan 97 01:02:27 EST  
>From: "Edwin E. Albert" <72437.651@CompuServe.COM>  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Subject: 1997 Colorburst Sprint Announcement  
>  
>Happy New Year from an unseasonably warm Ohio. It is time to announce  
>the annual running of the Colorburst Sprint sponsored by the QRP Club  
>of New England. Time to heat up the soldering irons and build that  
>crystal-controlled transmitter or transceiver. I'll be working the event  
>with a combination of homebrew transmitters and regenerative receivers.  
>Last year, one of my best nights in the event was with the MFJ regenerative  
>receiver using a window screen for an antenna, and a one watt transmitter  
>to a simple end-fed random wire.  
>  
>  
>72 de Ted, KF8EE  
>NE404  
>  
>-----  
>Announcing the :  
>  
>QRP-NE (QRP Club of New England)  
>  
> 79er SPRINT  
> -----  
>  
>When: Each Thursday evening during February and March, 1997  
>  
>Modes: CW - Crystal and VFO Control  
>  
>Freq: ~ 3.579 MHz  
>

>Power Level - 5 Watts or less output power  
>  
>Time: 9:00 - 10:00 p.m. EST (0200-0300 UTC)  
>  
>Exchange - RST QTH NE#X NAME; ie.....579 OH NE404X Ted  
>  
>Members use QRP-NE number; NE404 and add X if XTAL control; NE404X  
>Non-members use Power Level; 4W and add X if XTAL control; 4WX  
>  
>QSOs are cumulative: Work the same station on subsequent Thursdays.  
>Score: QSOs X SPC. Crystal Station Bonus: Total score X 1.5.  
>  
>The 79er transmitter was NE-QRP's first club project. It uses a  
>3579.545 kHz crystal to set the frequency. These crystals are used in  
>the colorburst oscillator of all color TV sets in the United States  
>and Canada, and in other devices as well.  
>  
>The 79er event is an on-the-air get together, not a contest.  
>Crystal-controlled stations append the letter "X" to their calls,  
>such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate  
>everyone to build a crystal-controlled transmitter to use during the event!  
>  
> Send Logs to: Ted Albert, KF8EE  
> 1924 Timberidge Drive  
> Loveland, OH 45140  
> (or)  
>  
> e-mail Logs to: 72437.651@compuserve.com  
>  
>Logs need to be received by April 30, 1997. Results will be published  
>in "72". State Output Power Level, Type of Rig, and Antenna Type on logs.  
>Include comments on the event or how you built your crystal-controlled  
>transmitter for inclusion in the report in "72".  
>  
>  
>Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz  
>  
>-----  
>  
>Transmitter Reference articles:  
>  
>In case you were wondering, "79er" comes from 3.579 MHz  
>  
>Articles abound on building a simple crystal-controlled transmitter  
>for 80 meters. Try the "Universal QRP Transmitter", page 26 of  
>"Solid State Design " (ARRL), or "The Oner" (Sprat), or "The Cubic Incher"  
>(ARRL), or "The 79er"/"Colorburst Special" (QRP-NE).  
>



>-----  
Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA  
E-Mail: carreiro@barepower.net - <http://www.barepower.net/~carreiro/>  
QRP - Boatanchors - Mobile CW - QRQ +40WPM  
NorCal QRP #367 - QRP QRCI #8885 - CW FISTS #1407 - QRP-L #236  
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

-----  
Date: Sun, 5 Jan 1997 07:16:34 -0600 (CST)  
From: Kevin Pease <hamradio@mm1001.theporch.com>  
To: Doug <doug@sunrise.alpinet.net>  
Subject: Re: "The Vari-Coil"  
Message-ID: <Pine.LNX.3.91.970105071446.364A-100000@mm1001.theporch.com>

The Collins KWS-1 accomplishes all band coverage by gear driving capacitors with the inductors so that the Q remains constant across the whole operating range. The KWS-1 also uses a PI-L network which does a good job supressing harmonics.

Kevin Pease  
WB0JZG Mount Juliet, TN.

-----  
Date: Sun, 5 Jan 1997 10:16:14 -0500  
From: TMOLL@aol.com  
To: glowbugs@theporch.com  
Subject: disappearing Heath gear and others  
Message-ID: <970105101614\_944545106@emout14.mail.aol.com>

>On 3 Jan 97 at 9:03, James C. Owen, III chatted merrily:

> There must be 100's of junk Heath's out there if only  
> we knew where. 73 Jim K4CGY

>You know it would never surprise me if some enterprising sould  
>spirited them away to poorer countries over the past 20 years and  
>sold many of them there for a good profit.

A recent experience of mine indicates that a great deal of the old commercial equipment is indeed being purchased by off-shore interests, at very high prices. Buy all you can afford and keep it here!

Tom, NOBS

-----  
Date: Sun, 5 Jan 1997 12:18:42 -0500  
From: W4AOS@aol.com  
To: glowbugs@theporch.com  
Subject: 6SL7 Sensitive to light!  
Message-ID: <970105121841\_238485027@emout01.mail.aol.com>

While using a 10 watt amplifier I built for use with "audiophonically challenged B-A's" I noticed that I seemed to be getting more hum from the amp than I remembered when I originally built it about a year ago. While checking around with shields etc. I noticed that when I moved my arms over the tubes the hum stopped. Further trial and error showed that not only would a piece of aluminum held over the input 6SL7 stop the hum, but so would a piece of cardboard! Turning off the flourescent light over the bench also stopped the hum. Therefore I was left with the inescapable conclusion that this tube was sensitive to the light pulses being emitted from the flourescent tubes.

Another 6SL7 fixed the problem for me, the amp is now silent as the tomb. A tube tester check of the noisy tube showed it to have normal Gm and showed signs of gas on one half only. ( I don't see how a tube could be gassy on only one side, but that's another story.) Anyway the moral of this tale is: expect anything when troubleshooting tube devices, and rember tube testers don't tell you everything. I'm just glad I didn't go to the trouble of installing a shield for this tube before I discovered this wierdness. For me these events are all part of the fun of working with Boatanchors, you get a chance to play Sherlock Holmes, learn something in the process, and it really feels good when you solve the problem.

Now I don't know whether I want to just throw the pesky 6SL7 out or use it as the photo tube in one of those circuits which ring a chime when someone breaks a light beam.

Has anyone else on the list found tubes sensitive to light (ones which aren't supposed to be)?

73 Bob w4aos@aol.com

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End of GLOWBUGS Digest 405

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